

## All COR ISO Recommendations

### Latent Condition, Seismic and ISS

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Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Latent Condition	496	Isomax	TKC	2007	3-13	Are all equipment labels (e.g., vessels, piping, valves, instrumentation, etc.) easy to read (clear and in good condition)?	Equipment and control valve labels are in good condition. Line labels are informally marked with paint sticks and could use improvement - especially at the plant boundary	Review line labeling in TKC and upgrade as needed to reduce the possibility of errors - especially at the plant boundary.	WR 267531 was written to label all TKC lines at the waterfall. This work has been completed (per 11/25/08 email from Joe Wong to Bharat Chavda).	10/17/2009	Chavda, Bharat	Completed
Latent Condition	497	Isomax	TKC	2007	4-27	Are staff levels (both size and experience) sufficient to handle routine and nonroutine duties that can be reasonably expected to occur during a shift?	Staffing levels are acceptable for normal operation, but there is not much flexibility to respond to abnormal situations	Review staffing level and experience factors and consider re-instituting the Reactor Safety Operator position	"NO, current staffing level is adequate to safely execute a reactor catalyst change" mtr signed off on behalf of Bharat Chavda on 8/13/08	7/17/2008	Cavote, Christopher P.	Completed
Latent Condition	498	Isomax	TKC	2007	4-3	Is the communication capability between operators, and between operators and the control room or other necessary locations adequate during normal operations and emergencies?	Normal operations and in-plant emergency communications are adequate. During a refinery wide emergency, the operators have difficulty transmitting on the radio system due to high usage. During a hypothetical drill in March or April, the radio system experienced the same problems as before	Perform further testing to determine if the modifications made in January 2007 - "Established CFD SOP 135, requiring that the CFD/ RFD patches be removed at the end of the shift and only used as approved by the shift Captain or Battalion Chief. During a major event or turnarounds, leaving the patches on could decrease system performance by 30%. Completed service on system 12/6/2006 for Nextel rebanding and discovered some maintenance issues. The rebanding and tuning in the radios should decrease interference." - as a result of #4 Rheniformer LC finding 4-1 were sufficient to assure adequate communication in a refinery-wide emergency -	Completed service on system 12/6/2006 for Nextel rebanding and discovered some maintenance issues. The rebanding and tuning in the radios should decrease interference." - as a result of #4 Rheniformer LC finding 4-1 were sufficient to assure adequate communication in a refinery-wide emergency.	7/17/2008	Tydingco, James D.	Completed
Latent Condition	499	Isomax	TKC	2007	4-69	Are the control building air conditioning and pressurization adequate to prevent intrusion of toxics, flammables, or corrosive contaminants (if applicable)?	H2S odor sometimes detected in the control room	Review the air handling and filtration equipment to confirm that it is set up and functioning properly. Look for possible sources of air entering the building around any wall or roof penetrations. Confirm that all doors close properly.	Draft meters installed on blast doors. Filters changed.	7/17/2008	Jimerson, John E.	Completed